

TFM SERIES ENGINEERING INFORMATION

The TFM-212 is a passive two-way low profile floor monitor designed for use in TV and broadcast studio applications.

Comprising two custom designed 12" low frequency drivers and a 1" high frequency compression driver on a 80° x 60° horn, combined with a low-loss third order passive crossover network, the TFM-212 features a very unobtrusive profile, enabling it to be used wherever accurate sound quality and minimal sightline disturbance is essential, such as in television studios and other broadcast applications.

The asymmetrical high frequency horn design minimises sound spillage into microphones and allows high gain before the onset of feedback.

Constructed from 15mm (5/8") marine grade birch plywood, the enclosure is finished in a very durable semi-matt textured TurboBlue™ paint, or optional black semi-matt textured paint. Two flush handles are provided for lifting and carrying.

Two recessed Speakon NL4MP connectors are provided for quick and easy hookup, while the loudspeaker components are protected from damage by a grey powder coated perforated steel mesh grille.



FEATURES

Accurate sound quality

Minimal sightline disturbance

Ultra low profile

APPLICATIONS

TV and broadcast studio

Television productions

DIMENSIONS (HxWxD)	312mm x 696mm x 418mm (12.3" x 27.4" x 16.4")
NET WEIGHT	24kg (52.8lbs)
COMPONENTS	2 x 12" (305mm) LF drivers, 1 x 1" (25mm) HF compression driver on a custom waveguide
FREQUENCY RESPONSE¹	80Hz - 18kHz±4dB
NOMINAL DISPERSION²	80°H x 60°V@-6db points
POWER HANDLING	350 watts r.m.s., 700 watts program, 875 watts peak Recommended amplifier power: 700 watts @ 4 ohms
SENSITIVITY	99dB 1W @ 1m
MAXIMUM SPL	127dB continuous ⁴ , 133dB peak ⁵
NOMINAL IMPEDANCE	4 ohms
CROSSOVER	Internal passive crossover network at 3k7Hz
CONSTRUCTION	15mm (5/8") birch plywood; rebated, screwed & glued. Finished in TurboBlue™ semi-matt textured paint
GRILLE	Grey powder coated perforated steel
CONNECTORS	(2) Neutrik Speakon NL4MP, wired pin1+: positive, pin1-: negative
SPARES AND ACCESSORIES	LS-1215 12" (305mm) LF loudspeaker RC-1215 Recone kit for LS-1215 CD-107 1" (25mm) HF compression driver RD-107 Replacement diaphragm for CD-107 PX-212 Passive crossover network MG-212 Perforated steel grille

Notes

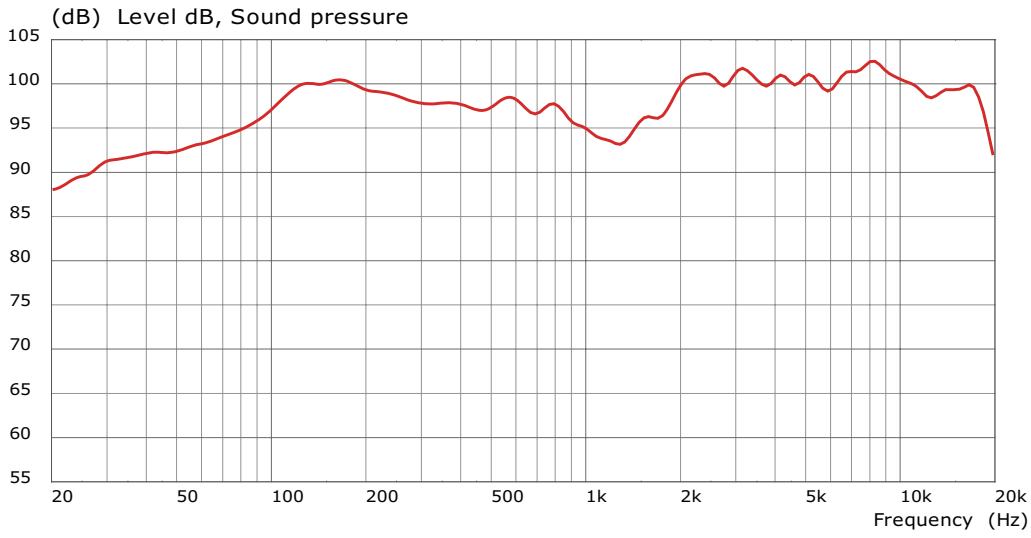
¹Measured on axis

²Average over stated bandwidth

³Average over stated bandwidth

⁴Unweighted diode-clipped pink noise. Measured in a half space environment

⁵Verified by subjective listening tests of familiar program material, before the onset of perceived signal degradation



**FREQUENCY
RESPONSE**

**ARCHITECTURAL
& ENGINEER'S
SPECIFICATIONS**

The system shall be of the two-way passive type consisting of two 12" (305mm) low frequency loudspeakers and one 1" (25mm) high frequency driver on a custom waveguide. Performance specifications of a typical production unit shall meet or exceed the following: Frequency response, measured with swept sine wave input, shall be flat within 80Hz – 18kHz \pm 4dB. Nominal dispersion, at -6dB points, shall average 80°H x 60°V. Nominal impedance shall be 4 ohms. Power handling shall be 350 watts r.m.s., 700 watts program, 875 watts peak. Sensitivity, measured with 1 watt input at 1 metre distance on axis, mean averaged over stated bandwidth, shall be 99dB. Maximum SPL (peak) measured with music program at stated amplifier input shall be 133dB. Dimensions: 312mmH x 696mmW x 418mmD (12.3"H x 27.4"W x 16.4"D). The loudspeaker system shall be the Turbosound TFM-212. No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verify that the above combined performance / size specifications are equalled or exceeded.

DIMENSIONS

